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Mar 12, 1977

DERWENT-ACC-NO: 1977-28374Y

DERWENT-WEEK: 197716

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TITLE: Flame retardant paper based laminate - contg. metal (hydr)oxides or salts in paper, then impregnated with resin varnish

PATENT-ASSIGNEE:

ASSIGNEE

CODE

HITACHI CHEM CO LTD

HITB

PRIORITY-DATA:

1975JP-0109585

September 10, 1975

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 52032975 A	March 12, 1977	N/A	000	N/A
JP 79003777 B	February 27, 1979	N/A	000	N/A

INT-CL (IPC): B29D 3/02; B32B 31/12; B32B 33/00; D21H 5/00

ABSTRACTED-PUB-NO: JP52032975A

BASIC-ABSTRACT:

Paper base material is impregnated with a dispersion contg. metal oxide, metal hydroxide, or metal salt, and then dried to give the base material treated. The base material obtd. is impregnated with resin varnish, and the moulded into a laminated sheet. The metal oxides used are MgO, TiO₂, ZnO, Al₂O₃, SiO₂, SbO₃, etc. Metal hydroxides used are Al(OH)₃, Mg(OH)₂, Zn(OH)₂, Sb(OH)₃, etc. The metal salts used are the oxalates, phosphates, borates, silicates, and carbonates of Al, Mn, Zn, Ca, Sr, Ba and Mg. The resin varnishes used are resol type phenol resin, etc.

As lower concns. of retardant are required to give good flame retardancy, deterioration in various other characteristics are prevent.

TITLE-TERMS: FLAME RETARD PAPER BASED LAMINATE CONTAIN METAL SALT PAPER IMPREGNATE RESIN VARNISH

DERWENT-CLASS: A94 E37 F09 P73

CPI-CODES: A08-F01; A11-B09E; A12-B03; A12-S07A; E10-C02D; E31;
E34; E35; F05-A06B;

CHEMICAL-CODES:

Chemical Indexing M3 *01*

Fragmentation Code

J1 M320 M280 A256 A422 A425 A430 A940 A960 C800
C710 C730 C101 C108 C106 C803 C802 C807 C805 C804
B720 C801 C530 B803 B813 B805 B809 B815 B819 B831
A204 A238 A212 A220 A313 A351 A400 B105 B114 B115
B701 B702 B712 B713 J172 J173 M620 M630 M510 Q324
J0 M520 J012 M530 M540 Q621 Q622 M781 R021 R022
R023 R024 M411 M416 M902

Multipunch Codes: 010 03& 04- 06- 07& 075 08- 080 09& 10- 140 15- 18& 18- 180 19& 19-
20- 213 214 215 228 229 312 43- 431 44- 442 456 477 502 539 681